**Halifax County Schools**

**Pacing Guide for Math I**

**First Semester Course 2016-17**

|  |  |
| --- | --- |
| ***Conceptual Category*** | ***Math I/ Algebra 1*** |
| **Number and Quantity** | **5-10%** |
| **Algebra** | **25-31%** |
| **Functions** | **35-40%** |
| **Geometry** | **10-15%** |
| **Statistic and Probability** | **15-20%** |
| **Total** | **100%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Weeks*** | ***Dates*** | ***Days*** | ***Assessment*** | ***Topics*** | ***Standards*** |
| Wk 1 | Aug. 29 – Sept. 2  Pre-Assessment | 5 | \*\*\* | Class Expectations  Pre-test/Properties/Basic Equations  Introduction to Calculator | A.SSE.1, A.CED.1,3, A.REI.1,3 |
| Wk 2 | Sept. 6-9  Sept. 5  Labor Day | 4 | \* | Equations and inequalities in one variable, Literal Equations | A.CED.1,3,4, A.REI.1, 3, A.SSE.1 |
| Wk 3 | Sept. 12 - Sept. 14 | 3 | \*\* | Relations / Functions/ Ordered Pairs / Use of formulas | A.CED.4, A.CED.2 , A.REI.10 |
| Wk 4 | Sept. 15-16, 19-23  Common Assessment | 7 | \*\*\* | Define functions, domain, range/Equation of a Line /Slope - Intercept / Point – Slope(rate of change) | A.CED.2,3, , F.IF.4-6, F.BF.1-3, F.LE.1-2,5 |
| Wk 5 | Sept. 27-30  Sept. 26  Optional Workday | 4 | \* | Geometric problems  Parallel / Perpendicular  Perimeters (polygons) | G.GPE.4,5,6 |
| Wk 6 | Oct. 3-7 | 5 | \*\* | Dist/Mdpt, Quadrilaterals on coordinate plane | G.GPE.5,6 |
| Wk 7 | Oct. 10-14  ½ day Oct. 12 Early Release  District PLC: Oct.13(MS/HS) | 5 | \* | Systems of Equation using tables, graphs, or algebraic methods | A.REI.5,6,11,12 |
| Wk 8 | Oct. 17-21 | 5 | \*\* | Linear Inequalities  Systems of inequalities | A.REI.5,6,11,12 |
| Wk 9 | Oct. 24-28  Common Assessment | 5 | \*\*\* | Lin. Programming  Functions, functional notations  F(x)= 2x+5 f(3)= 2x-9  Y=h(x)=f(x)=g(x) | F.IF.3-7, F.BF.1-2, F.LE.1-3,5 |
| Wk 10 | Oct. 31-Nov. 4 | 5 | \* | MMM, Dot Plots, histograms, boxplots, IQR, σ, Scatterplots, Linear Reg./Correlation | S.ID.1,2,3,6-9 |
| Wk 11 | Nov. 7-10  Nov. 11  Veteran’ s Day Holiday | 4 | \*\* | Sequences, **y = abx,or y=P(1+r)t** inc./dec., Growth / Decay, appreciation/depreciation  Problem solving with exponential functions | F.IF.3-9, F.BF.1,2, F.LE.1,3,5 |
| Wk 12 | Nov. 14-18 | 5 | \* | Properties of Exponents/Graphs/Equations | F.IF.6-9, F.LE.1,2,5  F.BF.1,2 |
| Wk 13 | Nov.21,22,28-Dec. 2  Nov. 23-25  Thanksgiving | 7 | \*\* | Operations on Polynomials | A.APR.1 |
| Wk 14 | Dec. 5-9  Common Assessment | 5 | \*\*\* | Sequences, arithmetic/geometric  Explicit vs. Recursive  Quadratics/Factoring | F.IF.6-9, F.BF.1,2, F.LE.1,3,5  A.SSE.1,3, F.IF.7,8 |
| Wk 15 | Dec. 12-16  District PLC- Nov 20 (MS/HS) | 5 | \* | Solving Quadratics, roots, maximum, minimum, problem solving | A.SSE.3, F.IF.7,8 |
| Wk 16 | Dec. 19-21,Jan. 3,4  Dec 22-Jan 2  Holiday | 5 | \*\* | Extensive Test Review/ Practice testlets/Strategies |  |
| Wk 17 | Jan. 5-13 | 7 | \* | Extensive Test Review/ Practice testlets/Strategies |  |
| Wk 18 | Jan. 17-19 | 3 | \*\*\* | **EOC Testing** |  |

**\* - Formal/Informal Assessment**

**\*\* - Teacher Assessment**

**\*\*\* - District Assessment**

***Additional Dates to Remember***

Jan. 16

Dr. ML King, Jr Holiday

Jan. 20, 2017

Second Semester Begins

Jan. 23, 24

Mandatory Workday

**Common Assessments will be given at least 3 times per semester to assess student achievement and to guide instruction. Additional assessments will be given by teacher bi-weekly.**

**Remember to spiral content continuously and to provide students with practice that is consistent with the End of Course Test for Math I.**

**Halifax County Schools**

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**Second Semester Course 2016-17**

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| **Total** | **100%** |

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| ***Weeks*** | ***Dates*** | ***Days*** | ***Assessment*** | ***Topics*** | ***Standards*** |
| WK1 | Jan. 25-31  Pre-Assessment | 5 | \*\*\* | Class Expectations  Pre-test/Properties/Basic Equations  Introduction to Calculator | A.SSE.1, A.CED.1,3, A.REI.1,3 |
| Wk 2 | Feb.1-10 | 8 | \* | Equations and inequalities in one variable, Literal Equations | A.CED.1,3,4, A.REI.1, 3, A.SSE.1 |
| Wk 3 | Feb. 13-17  Feb. 15  Professional Development | 4 | \*\* | Relations / Functions/ Ordered Pairs / Use of formulas | A.CED.4, A.CED.2 , A.REI.10 |
| Wk 4 | Feb. 20-24  Common Assessment | 5 | \*\*\* | Define functions, domain, range/Equation of a Line /Slope - Intercept / Point – Slope(rate of change) | A.CED.2,3, , F.IF.4-6, F.BF.1-3, F.LE.1-2,5 |
| Wk 5 | Feb. 27-Mar 3 | 5 | \* | Geometric problems  Parallel / Perpendicular  Perimeters (polygons) | G.GPE.4,5,6 |
| Wk 6 | Mar 6-10  District PLC: Mar 9  (MS/HS) | 5 | \*\* | Dist/Mdpt, Quadrilaterals on coordinate plane | G.GPE.5,6 |
| Wk 7 | Mar13-17  Mar. 15  Professional Development | 4 | \* | Systems of Equation using tables, graphs, or algebraic methods | A.REI.5,6,11,12 |
| Wk 8 | Mar. 20-24 | 5 | \*\* | Linear Inequalities  Systems of inequalities | A.REI.5,6,11,12 |
| Wk 9 | Mar 27-31 | 5 | \* | Lin. Programming  Functions, functional notations  F(x)= 2x+5 f(3)= 2x-9  Y=h(x)=f(x)=g(x) | F.IF.3-7, F.BF.1-2, F.LE.1-3,5 |
| Wk 10 | Apr 3-7 | 5 | \*\* | MMM, Dot Plots, histograms, boxplots, IQR, σ, Scatterplots, Linear Reg./Correlation | S.ID.1,2,3,6-9 |
| Wk 11 | Apr 10-13  Common Assessment  April 14  Good Friday Holiday | 4 | \*\*\* | Sequences, **y = abx, or y=P(1+r)t** inc./dec., Growth / Decay, appreciation/depreciation  Problem solving with exponential functions | F.IF.3-9, F.BF.1,2, F.LE.1,3,5 |
| Wk 12 | Apr 24-28  April 17-21  Annual Leave | 5 | \* | Properties of Exponents/Graphs/Equations | F.IF.6-9, F.LE.1,2,5  F.BF.1,2 |
| Wk 13 | May 1-5 | 5 | \*\* | Operations on Polynomials | A.APR.1 |
| Wk 14 | May 8-12  District PLC May 11  (MS/HS) | 5 | \* | Sequences, arithmetic/geometric  Explicit vs. Recursive  Quadratics/Factoring | F.IF.6-9, F.BF.1,2, F.LE.1,3,5  A.SSE.1,3, F.IF.7,8 |
| Wk 15 | May 15-19  Common Assessment | 5 | \*\*\* | Solving Quadratics, roots, maximum, minimum, problem solving | A.SSE.3, F.IF.7,8 |
| Wk 16 | May 22-26 | 5 | \*\* | Extensive Test Review/ Practice testlets/Strategies |  |
| Wk 17 | May 30-June 2  May 29 Memorial Day | 4 | \* | Extensive Test Review/ Practice testlets/Strategies |  |
| Wk 18 | June 5-9  Last Day for Students | 5 | \*\*\*\* | **EOC Testing** |  |

**\* - Formal/Informal Assessment**

**\*\* - Teacher Assessment**

**\*\*\* - District Assessment**

**Common Assessments will be given at least 3 times per semester to assess student achievement and to guide instruction. Additional assessments will be given by teacher bi-weekly.**

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